

Claims after this response:

1(Original). A print mechanism comprising:

a print head assembly comprising a position detector and a marking device, said position detector comprising an imaging device for forming an image of a portion of an edge of a print medium, said print medium having a top edge, side edges, and a bottom edge;

an actuator for moving said print head assembly relative to said print medium in a predetermined direction; and

a controller for determining a location for said edge of said print medium from said formed image.

2(Original). The print mechanism of Claim 1 wherein said controller determines a brightness value for said print medium from said image.

3(Original). The print mechanism of Claim 1 wherein said controller determines a location for said top edge of said print medium from said image.

4(Original). The print mechanism of Claim 1 wherein said controller determines if said print medium is correctly aligned in said print mechanism by comparing a plurality of edge locations measured at different distances from said top edge of said print medium.

5(Currently Amended). A method for printing on a print medium having a top edge, a bottom edge and side edges, said method comprising:

forming an image of a portion of ~~an~~ one of said edges of said print medium; and

determining a location for said imaged edge of said print medium from said image.

6(Original). The method of Claim 5 wherein said imaged edge is one of said side edges.

7(Original). The method of Claim 5 wherein said imaged edge is said top edge.

8(Currently Amended). The method of Claim 5 further comprising determining a brightness measure for said print medium from said image.

9(Original). The method of Claim 5 further comprising determining the alignment of said print medium in a print mechanism by comparing a plurality of images of portions of said edge of said print medium.

10(Currently Amended). The method of Claim 5 further comprising forming an image of a portion of the others of said edges and determining the dimensions a length and width for of said print medium from ~~a plurality of images of portions of said edge~~ said formed images.

11(New). The method of Claim 8 wherein said printing comprises dispensing a quantity of ink at one point on said print medium and wherein said quantity depends of said determined brightness measure.

12 (New). The print mechanism of Claim 2 wherein said marking device dispenses a quantity of ink at one point on said print medium and wherein said quantity depends of said determined brightness measure.